WHAT IS CLAIMED IS:

1. A method for decoding video, comprising the steps of:

reducing a number of transform coefficients in B-frames to produce reduced B-frames;

5   inverse scanning the reduced B-frames;

performing inverse quantization on the reduced B-frames; and

performing an inverse transform on the reduced B-frames.

2. The method of claim 1, wherein the reduced B-frames are produced by:

identifying blocks associated with the B-frames; and

selecting transform coefficients included in a predetermined area of the blocks associated with the B-frames.

3. The method of claim 1, wherein the inverse scanning is inverse zig-zag scanning.

4. The method of claim 1, wherein the inverse transform is an inverse discrete cosine transform.

5. A memory medium including code for decoding video, the code comprising:

a code for reducing a number of transform coefficients in B-frames to produce reduced B-frames;

5   a code for inverse scanning the reduced B-frames;

a code for performing inverse quantization on the reduced B-frames; and

a code for performing an inverse transform on the reduced B-frames.

10   6. The memory medium of claim 5, wherein the code for producing the reduced B-frames includes:

a code for identifying blocks associated with the B-frames; and

a code for selecting transform coefficients included in a

15 predetermined area of the blocks associated with the B-frames.

7. The memory medium of claim 5, wherein the inverse scanning is inverse zig-zag scanning.

8. The method of claim 5, wherein the inverse transform is an inverse discrete cosine transform.

9. An apparatus for decoding video, comprising:

　　　means for reducing a number of transform coefficients in B-frames to produce reduced B-frames;

　　　means for inverse scanning the reduced B-frames;

5　　　means for performing inverse quantization on the reduced B-frames; and

　　　means for performing an inverse transform on the reduced B-frames.

10. The apparatus of claim 9, wherein the means for producing

10　reduced B-frames includes:

　　　means for identifying blocks associated with the B-frames; and

　　　means for selecting transform coefficients included in a predetermined area of the blocks associated with the B-frames.

　　　11. The apparatus of claim 9, wherein the inverse scanning is

15　inverse zig-zag scanning.

　　　12. The apparatus of claim 9, wherein the inverse transform is an inverse discrete cosine transform.

13. An apparatus for decoding video, comprising:

an inverse scan and quantization unit for reducing a number of transform coefficients in B-frames to produce reduced B-frames, inverse scanning the reduced B-frames and performing inverse

5   quantization on the reduced B-frames; and

an inverse transform unit for performing an inverse transform on the reduced B-frames.

14. The apparatus of claim 13, wherein the reduced B-frames are produced by:

10   identifying blocks associated with the B-frames; and

selecting transform coefficients included in a predetermined area of the blocks associated with the B-frames.

15. The apparatus of claim 13, wherein the inverse scanning is inverse zig-zag scanning.

15   16. The apparatus of claim 13, wherein the inverse transform is an inverse discrete cosine transform.

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